2) ligand addition

CI CI 2- 4 KI PL 2 L PL

1) iodide activation

8 AgNO₃

3) halide removal

Apt L 2 A H₂O Pt L

4) filtration
5) attachment of A

Figure 1

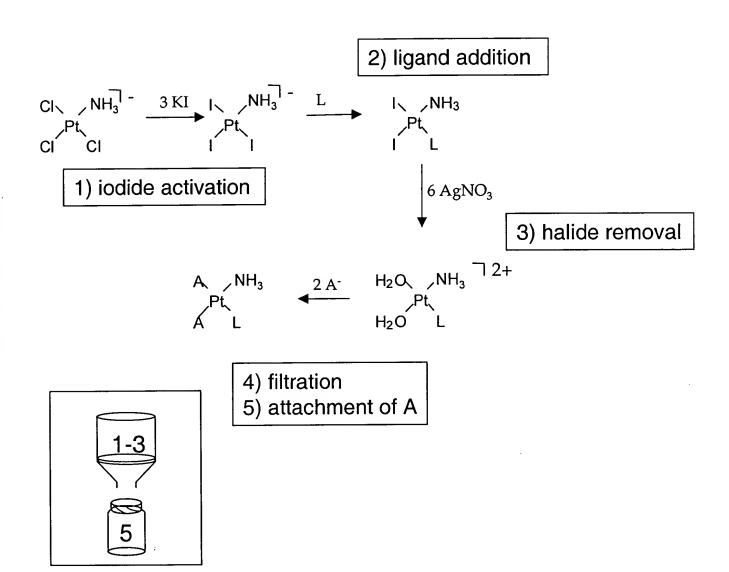


Figure 2

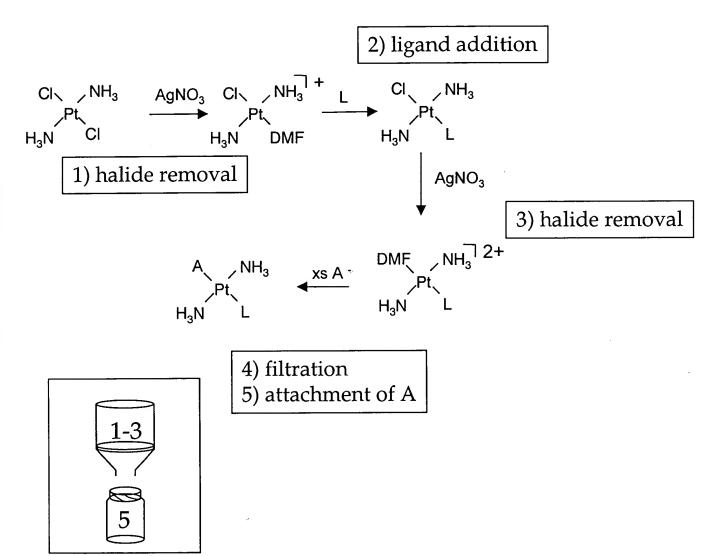


Figure 3

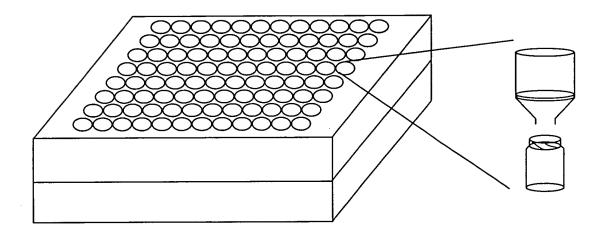


Figure 4

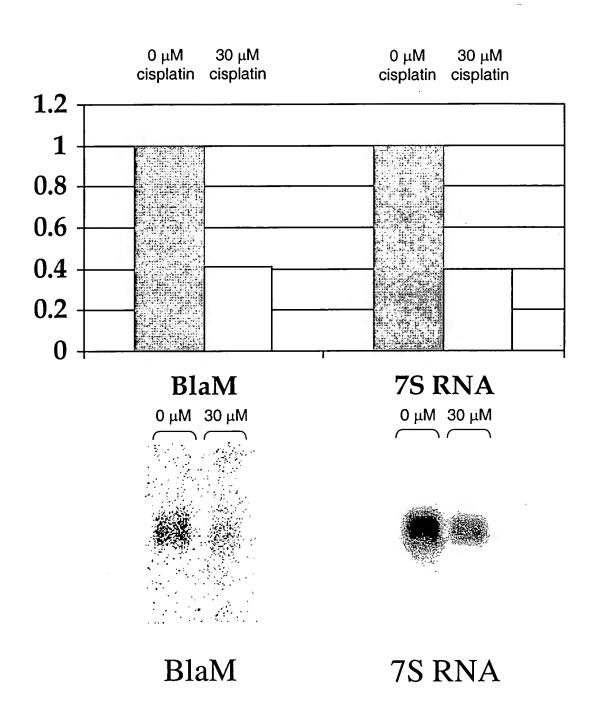
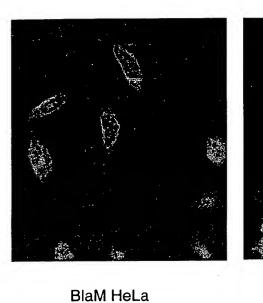
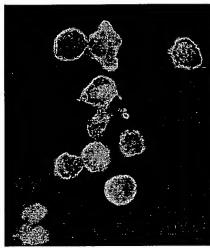


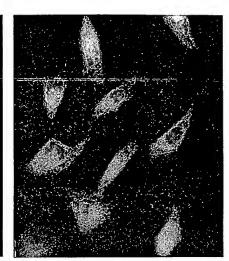
Figure 5



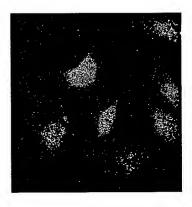
BlaM HeLa 0 μM cisplatin



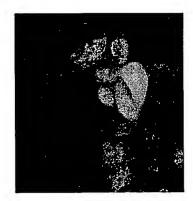
BlaM HeLa 30 μM cisplatin 24 hours



BlaM HeLa 30 μM *trans*-DDP 24 hours



wt HeLa 0 μM cisplatin



wt HeLa 30 μM cisplatin 24 hours

Figure 6

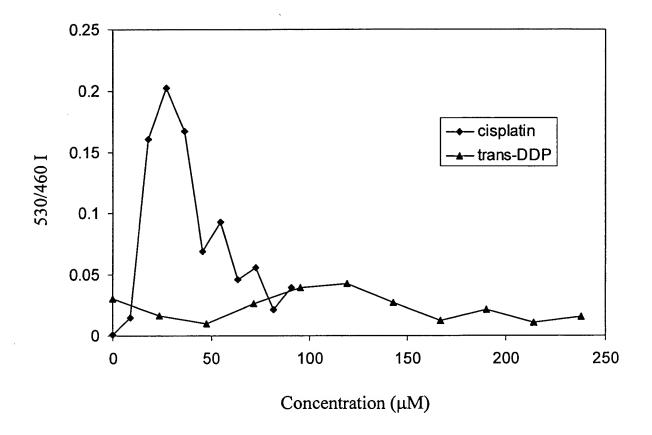


Figure 7

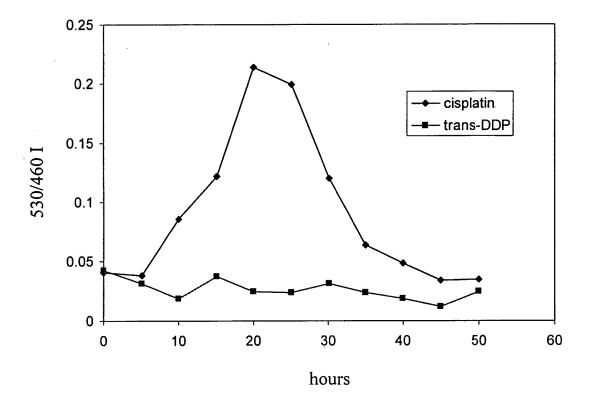


Figure 8

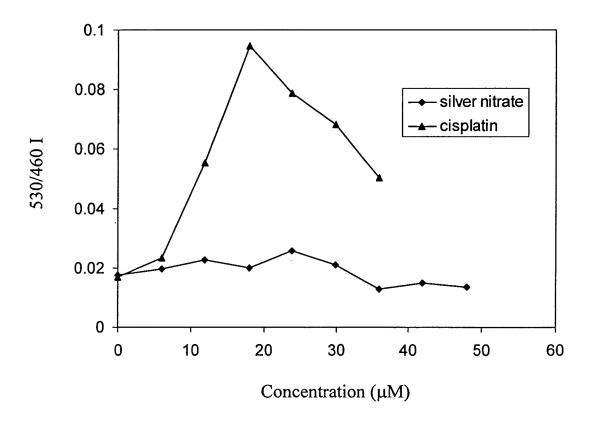


Figure 9

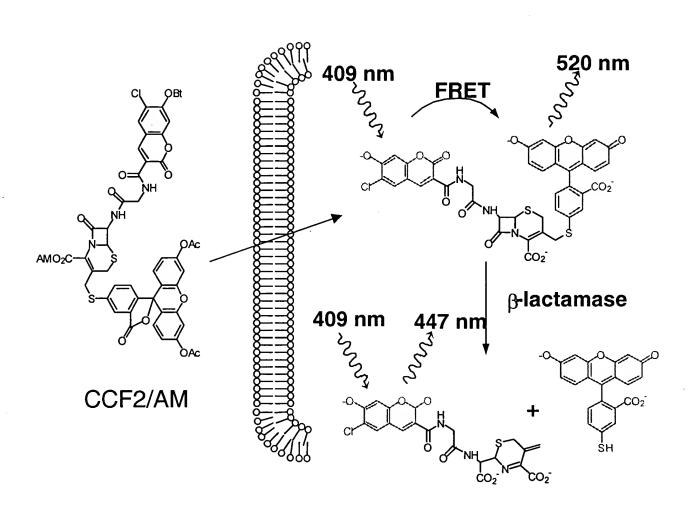


Figure 10

NNNN Br R
$$\frac{S_{N^2} \text{ reaction}}{\text{deprotection}}$$
 Or $\frac{S_{N^2} \text{ reaction}}{\text{deprotection}}$

X = OR, NR_2 , OH, NHR, NH_2

Figure 11

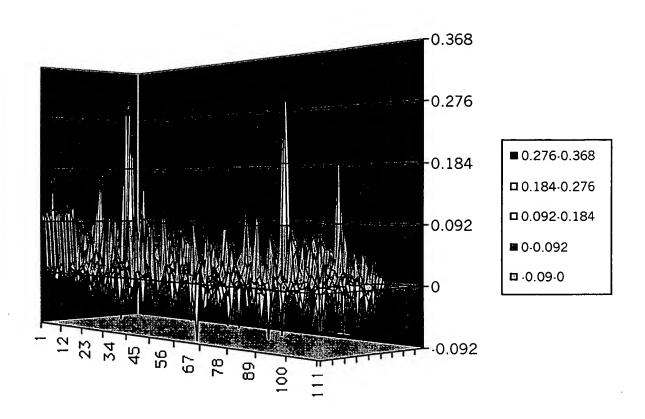
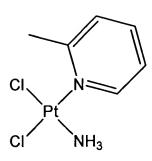


Figure 12



ZD0473

cis-ammine(2-amino-3-picoline) dichloroplatinum(II)

Figure 13